PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hidekazu KOJIMA et al.

ATTN: PCT Branch

Application No.:

09/423,461

Docket No.:

104651

Filed:

November 30, 1999

For:

OPTICAL FIBER OBSERVING IMAGE PROCESSING APPARATUS

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C 371 IN THE UNITED STATES

DESIGNATED/ELECTED OFFICE (DO/EO/US)
DECLARATION ALREADY FILED

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C 371 in the United States Designated/Elected Office (DO/EO/US) (copy attached) mailed on <u>January 13, 2000</u>, the executed Declaration of the inventors was filed on <u>November 30, 1999</u>. A copy of the executed Declaration as filed, a copy of the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371, and a copy of the stamped postcard receipt are attached hereto. The surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)) was also paid on <u>November 30, 1999</u> with our Check No. <u>104663</u> for \$130.00.

Entry of these documents on <u>November 30, 1999</u> should have completed all of the filing formalities. Accordingly, prompt issuance of a Notification of Acceptance and Filing Receipt, and prompt examination and allowance of this application are respectfully solicited.

The Commissioner is hereby authorized to charge any additional fee (or credit any overpayment) associated with this communication to Deposit Account No. 15-0461. Two duplicate copies of this paper are attached.

Respectfully submitted,

hon Parlem

James A. Oliff

Registration No. 27,075

Thomas J. Pardini

Registration No. 30,411

JAO:TJP/kmc

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400 DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461



UNITED STATES DEPARTMENT OF COMMERCE Patent and Tradem Office Address: ASSISTANT COMMISSIONER FOR PATENTS BOX PCT

	No Marres Co. B.	Washington, D.C. 20231	
U.S. APPLICATION NO.		FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/423,461	· KUJIMA		H 104651
		INTERN	ATIONAL APPLICATION NO.
1	1997	35p71 13 m	PCT/JP99/00445
OLIFF & BERRIDG		5 1 1 1 1 1 1	
PO BOX 19928 ALEXANDRIA VA 2	2320 10 101	A 2000	DATE PRIORITY DATE
	JAN I	4 2000	/03/99 03/18/98
\		"2	703/77 03/18/78
	• •	DATE MAILED	01/13/00
NOTIFICATION OF MI	SSING REOUIREM	ENTS UNDER 35 U.S.C.	371 IN THE INITED
STATE	S DESIGNATED/EL	ECTED OFFICE (DO/EO	(US)
1. The following items have bee	n submitted by the applica	nt or the IB to the United States P	atent and Trademark
Office as Designated	Office (37 CFR 1.494),	· ·	
U.S. Basic National Fee.	Office (37 CFR 1.495):	Fe	bruary 13, 7000
Copy of the international			•
a non-English	h language.		•
English.	tional amplication (a.c. Part		
Oath or Declaration of in	ventors(s) for DO/EO/US	iisn.	
Copy of Article 19 amend	iments.		
Translation of Article 19	amendments into English.		
Translation of Appears to	hary Examination Report is	n English and its Annexes, if any. Pary Examination Report into Engli	
Preliminary amendments	PPP VOLKO Sell	and	isn.
☐ Information Disclosure St		and	–·
Assignment document. Power of Attorney and/or	Channa of Add		_
Substitute specification fil	led		
Statement Claiming Small		 ·	
Priority Document.			
Other:	Search Report and cop	pies of the references cited therein.	
2. The following items MUST b	e furnished within the peri	od set forth below in order to com	iplete the requirements for
acceptance under 35 U.S.C. 371;			
a. Translation of the appropria	ication into English. Note ate 20 or 30 months from t	a processing fee will be required in	f submitted
The current tran	slation is defective for the	reasons indicated on the attached h	Notice of Defective
Translation.			
b. Processing fee for prov	viding the translation of the	application and/or the Annexes la	ter that the
Dec. Oath or declaration of	onths from the priority dat	te (37 CFR 1.492(1)). te with 37 CFR 1.497(a) and (b), i	dentificion she annitorator
by the International app	dication number and intern	ational filing date.	• •
		mply with 37 CFR 1.497(a) and (t	
on the attached a	PCT/DO/EO/917	ter that the appropriate 20 or 30 m	16 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15
priority date (37 CFR 1	.492(e)).	the state of the s	onus from the
3. Additional claim fees of \$	as a □ large e	ntity small entity, including any	v required multiple
which fees are due (37 CFR 1.49)	. Applicant must submit the	he additional claim fees or cancel t	he additional claims for 👌 🙎
			ฉ ฉ
ALL OF THE ITEMS SET FOR	RTH IN 2(a)-2(d) AND 3	ABOVE MUST BE SUBMITTE	WITHIN ONE
DATE FOR THE APPLICATION	F THIS NOTICE OR BY	☑21 OR ☐ 31 MONTHS FROM TER. FAILURE TO PROPERL	M THE PRIORITY
RESULT IN ABANDONMENT.	N, WHICHEVER IS LA	IER. FAILURE TO PROPERL	Y RESPOND WILE I
		•	A 55 학
The time period set above may be	extended by filing a petition	on and fee for extension of time ur	nder the provisions of the conditions
CFR 1.136(a).			
4. Translation of the Annexes MU	JST be submitted no later (that the time period set above or th	ne annexes will be
cancelled. Note processing fee wi	ll be required if submitted	later than 30 months from the price	prity date
5. The Article 19 amendments a 1.494(d)) or 30 (37 CFR 1.495(d))	are cancelled since a transl	ation was not provided by the appi	ropriate 20 (37 CFR
1.15 (a), of 30 (57 CTR 1.495(d))	monds from the priority	date.	<u> </u>
Applicant is reminded that any com	nmunication to the United !	States Patent and Trademark Office	e must be mailed to the
address given in the heading and in	clude the U.S. application	no. shown above. (37 CFR 1.5)	
A come of this	ofice MIICT L	No. Parent San	omen in 1865 de la companya. Na constanta de la companya
Enclosed England To The Total	witce MIUSI D	e returned with thi	s response.
Enclosed: PCT/DO/EO/917	Notice of Defective	Translation	ont Hanter State Proceeding (1)
FORM PCT/DO/EO/905 (December	er 1997)		305-3888
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•								
(1390 REV. 5-93) US DEPT. OF COMMERCE PATENT & TRADEMARK OFFICE		ATI JEY'S DOCKET NUMBER 104651						
		TRANSMITTAL LET UNITED ST DESIGNATED/ELEG (DO/EO/US) CONCER UNDER 35 U.S	ATES CTED OFFICE RNING A FILING	U.S. APPLICATION NO. (if known, sec 37 C.F.R.1.5)				
		IONAL APPLICATION NO. 9/00445	INTERNATIONAL FILING DATE February 3, 1999	PRIORITY DATE CLAIMED March 18, 1998				
		NVENTION FIBER OBSERVING IMAGE PRO	OCESSING APPARATUS					
		T(S) FOR DO/EO/US KOJIMA et al.						
Appli			d States Designated/Elected Office	e (DO/EO/US) the following items and other				
1.		This is a FIRST submission of	f items concerning a filing under 35	5 U.S.C. 371.				
2.	\boxtimes	This is a SECOND or SUBSE	QUENT submission of items conc	erning a filing under 35 U.S.C. 371.				
3.		This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).						
4.		A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.						
5.		A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a is transmitted herewith (required only if not transmitted by the International Bureau). b has been transmitted by the International Bureau. c is not required, as the application was filed in the United States Receiving Office (RO/US)						
6.		A translation of the International Application into English (35 U.S.C. 371(c)(2)).						
7.		Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a are transmitted herewith (required only if not transmitted by the International Bureau). b have been transmitted by the International Bureau. c have not been made; however, the time limit for making such amendments has NOT expired. d have not been made and will not be made.						
8.		A translation of the amendmen	nts to the claims under PCT Article	e 19 (35 U.S.C. 371(c)(3)).				
9.	\boxtimes	An oath or declaration of the in	nventor(s) (35 U.S.C. 371(c)(4)).					
10.		A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).						
Items	s 11.		document(s) or information incl tement under 37 CFR 1.97 and 1.9					
12.	\boxtimes	An assignment document for rincluded.	ecording. A separate cover sheet	t in compliance with 37 CFR 3.28 and 3.31 is				
13.		A FIRST preliminary amendme	ent.					
		A SECOND or SUBSEQUENT	Γ preliminary amendment.					

☐ A substitute specification.

☐ A small entity statement.

Other items or information:

15.

16.

U.S. APPLICATION NO. (if known, see 37 INTERNATIONAL APPLIC PCT/JP99/0445			ON NO.	ATTORNEY'S 104651	RNEY'S DOCKET NUMBER		
17. The following fees are submitted:				CALC	JLATIONS	PTO USE ONLY	
Basic Natio	nal fee (37 CFR 1.492						
Search Report	has been prepared by						
	eliminary examination						
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))\$760.00 Neither international preliminary examination fee (37 CFR							
1.482) nor inter	national search fee (3	7 CFR 1.445	(a)(2))				
(37 CFR 1.482)	eliminary examination and all claims satisfie	d provisions	of PCT				
	ENTER APPROPRIA	ATE BASIC I	FEE AMOUNT =	\$			
Surcharge of \$130.00 20				\$130.00			
Claims	Number Filed	Number Extra	Rate				
Total Claims	- 20 =		X \$ 18.00	\$			
Independent Claims	- 3 =		X \$ 78.00	\$			
Multiple dependent cla	aim(s)(if applicable)	_ i	+ \$260.00	\$			
		ABOVE CAL	CULATIONS =	\$130.00			
Reduction by 1/2 for fi Entity Statement must				\$			
		\$130.00					
Processing fee of \$13 than \square 20 \square 30 mont 1.492(f)).				\$			
		TOTAL NA	TIONAL FEE =	\$130.00			
					Amount to be refunded	\$	
					Charged	\$	
b. Please cha of this shee c. The Commi	104663 in the amount rge my Deposit Accou et is enclosed. issioner is hereby auth nt, to Deposit Account	ont No	in the amount o arge any addition	f \$ to c	over the above may be require		
NOTE: Where an ap 1.137(a) or (b)) must						on to revive (37 CFR	
SEND ALL CORRESF OLIFF & BERF P.O. Box 199 Alexandria, \	RIDGE, PLC	·		IAME: James			
MOTIO"			N	IAME: Thoma			
JAO:TJP/kmc (1390 Rev.8-93)			R	EGISTRATIC	ON NUMBER: 3	30,411	

Docket No.: 104651

DECLARATION AND POWER OF ATTORNEY UNDER 35 USC §371(c)(4) FOR PCT APPLICATION FOR UNITED STATES PATENT

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below under my name;

l verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if phural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled: OPTICAL FIBER OBSERVING IMAGE PROCESSING APPARATUS described and claimed in international application number PCT/IP99/00445 filed February 3, 1999.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) filed by me or my legal representatives or assigns within one year prior to my international application are hereby claimed:

Japanese Patent Application No. 10-68596 filed on March 18, 1998

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Ottff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024; Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411; Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Reg. No. 32,771; Mario A. Costantino, Reg. No. 33,565; and Caroline D. Dennison, Reg. No. 34,494.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Typewritten F of Sole or Firs			Hidekszn		KOJIMA	
2	Inventor's Signature			iven Name	Middle Initial	Family Name	
3 Date of Signatur		ature	November		25	1999	
	Residence:		Tokyo	Month	Day	Year JAPAN	
	Citizenship:	JAPAN	City		State or Province	Country	
	Po	t Office Address:	1065:	c/o THE FURUKAWA ELECTRIC CO., LTD.			
	(Insert complete mailing address, including country)			6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-0005 JAPAN			

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE (2) (Discard titis page in a sole inventor application)

1	Typewritten Full Name					
	of Joint Inventor	Seiryo		MISHIMA		
2	Inventor's Signature:	Given Name	Middle Initial	Family Name		
3	Date of Signature:	Month	25	1999		
	Residence:	Month Tokyo	Day	Year JAPAN		
		Ćity	State or Province	Country		
	Citizenship: JAPAN					
	Post Office Address:	do THE FURUKAWA	ELECTRIC CO., LTD.	•		
	(Insert complete mailing address, including country	6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100		-0005 JAPAN		
1	Typewritten Full Name of Joint Inventor			· ·		
2	Inventor's Signature:	Given Name	Middle Initial	Family Name		
3	Date of Signature:					
-	Residence:	Month	Day	Year		
	Citizenship:	City	State or Province	Country		
	Post Office Address:					
	(Insert complete mailing address, including country)				
1	Typewritten Full Name of Joint Inventor	-				
		Given Name	Middle Initial	Family Name		
2	Inventor's Signature:					
3	Date of Signature:					
	Residence:	Month	Day	Year		
	Citizenship:	City	State or Province	Country		
	Post Office Address:					
	(Insert complete mailing address, including country)			·		
1	Typewritten Full Name of Joint Inventor	···				
2	Inventor's Signature:	Given Name	Middle Initial	Family Name		
•				······································		
•	Date of Signature:	Month	Day	Year		
	Residence:	City	State or Province	Country		
	Citizenship:					
	Post Office Address:					
	(Insert complete mailing address, including country)					

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and fewer the actual date of signing on line 3.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney of the application to which it pertains.

The following papers have been filed:

PCT Transmittal, #104663, (\$130), exec. Declaration; Assignment Transmittal, #104662, (\$40), exec. Assignment.

Name of Applicant: Hidekazu KOЛMA and Seiryo MISHIMA

ny 3 0 1999

Serial No.:

U.S. National Stage of PCT/JP99/00445

Atty. File No.:

104651

Title (New Cases):

EID

FIBER OBSERVING

IMAGE

PROCESSING

Sender's Initials:

JAO:TJP/kmc

APPARATUS

OPTICAL

TC 2700 MAIL ROOM

PATENT OFFICE DATE STAMP

COPY TO BE STAMPED BY PATENT OFFICE AND RETURNED BY MESSENGER

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hidekazu KOJIMA et al.

ATTN: Application Branch

Application No.: 09/423,461

Docket No.: 104651

Filed: November 30, 1999

For:

OPTICAL FIBER OBSERVING IMAGE PROCESSING APPARATUS

NOTIFICATION OF ERRORS IN FILING RECEIPT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Attached is a photocopy of the original filing receipt on which errors have been corrected in red. These errors are being brought to the attention of the Patent and Trademark Office so that it may correct its records. No corrected filing receipt is requested in view of the fact that the errors will not be transferred to the Letters Patent upon its issuance under the Patent and Trademark Office policy announced at 1220 O.G.42 (March 9, 1999). Please contact the undersigned if there is any question about the accuracy of these corrections.

Respectfully submitted,

James A. Oliff

Registration No. 27,075

Thomas J. Pardini

Registration No. 30,411

JAO:TJP/kmc

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400

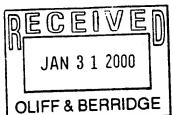
DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461 FILING RECEIPT



UNITED STATE DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO	. DRWGS	TOT CL	IND CL
09/423,461	11/30/99	2713	\$2,698.00	104651	30	25	1

OLIFF & BERRIDGE PO BOX 19928 ALEXANDRIA VA 22320



Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICABLY, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Rinare Legify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination?

Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to the Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your papty to the "Missing Parts Notice." When the PTO processes the repty to the "Missing Parts Notice," the PTO will generate another Filing Receipt Incorporating the required corrections (if appropriate).

Applicant(s)

HIDEKAZU KOJIMA, TOKYO, JAPAN; SEIRYO MISHIMA, BOKYO, JAPAN.

CONTINUING DATA AS CLAIMED BY APPLICANT-THIS APPLN IS A 371 OF PCT/JP99/00445 02/03/99

FOREIGN APPLICATIONS-

JAPAN

10-68596

03/18/98

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 01/24/00

-IMAGE PROCESSOR FOR OBSERVING OPTICAL FIBER

OPTICAL FIBER OBSERVING IMAGE PROCESSING APPARATUS
PRELIMINARY CLASS: 348

DATA ENTRY BY: ORDONEZ, MARTA

TEAM: 11 DATE: 01/24/00

I IRRIBI IRRII IBBIR IIRII 18818 IIRII 80118 IRIII 81010 IIRRO IIIII 81810 BIRBI IRRII 88111 88111 88111 18816 IIRII 8181 IIRII 8181

(See reverse for new important information)